

RAW SEQUENCE LISTING

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Application Serial Number: 10/516,779
Source: PCT
Date Processed by STIC: 12-7-04

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/516,779

DATE: 12/17/2004
TIME: 14:52:05

Input Set : A:\332730.txt
Output Set: N:\CRF4\12172004\J516779.raw

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3 <110> APPLICANT: HER MAJESTY IN RIGHT OF CANADA AS REPRESENTED BY THE
4      MINISTER OF AGRICULTURE AND AGRI-FOOD CANADA
5      ROZWADOWSKI, Kevin L.
6      LYDIATE, Derek J.
8 <120> TITLE OF INVENTION: RETRONS FOR GENE TARGETING
10 <130> FILE REFERENCE: 4810-69922-01
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/516,779
C--> 13 <141> CURRENT FILING DATE: 2004-12-03
15 <150> PRIOR APPLICATION NUMBER: US 60/386,640
16 <151> PRIOR FILING DATE: 2002-06-05
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1023
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: NLS-RT Sequence
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34 catgacatgt ctaaggcgac tcgcataatct gttaaacac ttccggttgtt aatctataca 180
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39 ttcccaagtt taactgctaa caaagttttt ggagtgttcc attctcttgg ttataatcga 480
40 ctaatatctt cagtttgac aaaaatatgt ttttataaaa atctgctacc acaaggtgt 540
41 ccatcatcac ctaaatttagc taatctaata ttgtctaaac ttgattatcg tattcagggt 600
42 tatgcaggta gtcggggctt gatataacg agatatgccg atgatctcac cttatctgca 660
43 cagtctatga aaaagggtgt taaagcacgt gatTTTTTtat ttcttataat cccaaagtgaa 720
44 ggattggta ttaactcaaa aaaaacttgtt attagtgggc ctcgtgtca gagaaaagtt 780
45 acagggttag ttatccaca agagaaaagtt gggataggtt gaaaaaaaata taaagaaaatt 840
46 agagcaaaga tacatcatat atttgcggt aagtcttctg agatagaaca cgttagggga 900
47 tggttgtcat ttatTTTAAG tggattca aaaagccata ggagattaat aacttatatt 960
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53 <211> LENGTH: 1106
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Resynthesized Version of NLS-RT

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63 tctgctgagt	acctaaccac	cttcaggctc	aggaacctcg	gactccctgt	tatgaacaac	180
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67 atccctcgata	agctctcttc	ttctcctttc	tctatcgat	tcgagaagca	ccaatctatc	420
68 ctcaacaacg	ctaccctca	catcgagct	aacttcatcc	tcaacatcga	tcttgaagat	480
69 ttcttccctt	ctctcaccgc	taacaagggtt	ttcggagttt	tccactctct	cggataacaac	540
70 aggctcatct	cttctgttct	caccaagatc	tgctgtaca	agaacctct	ccctcaaggt	600
71 gctccttctt	ctcctaagct	cgctaaccctc	atctgtctca	agctcgattt	cagaattcaa	660
72 ggatacgctg	gatctagggg	actcatctac	accaggtacg	ctgatgatct	caccctctct	720
73 gctcaatcta	tgaagaagggt	tgttaaggct	agggatttcc	tcttctctat	catcccttct	780
74 gagggactcg	ttatcaactc	taagaagacc	tgcatctctg	gaccttaggtc	tcaaaggaag	840
75 gttaccggac	tcgttatctc	tcaagagaag	gttggatctg	gaaggggagaa	gtacaaggag	900
76 atcaggggcta	agatccacca	catcttctgc	ggaaagtctt	ctgagatcga	gcacgtttagg	960
77 ggatggctct	ctttcatcct	ctctgttct	tctaaatctc	acaggaggtt	catcacctac	1020
78 atctctaagc	ttgaaaagaa	gtacggaaag	aaccctctca	acaaggctaa	gacctaataatga	1080
79 gcggccgcac	tagtgatatc	tctaga				1106

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84 <212> TYPE: DNA

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: STEM3 Sequence

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92 aacctctgga	tgttgttctg	gcatcctgca	ttgaatctga	gttactgtct	gtttcccttg	120
93 ttggAACGGA	gagcatcgtc	tagacaacga	tatctgtatc	tctccgagcc	aaccaggaaa	180
94 cccgtttttt	ctgacgttaag	gttgccgcgc	cgctgttggc	gtggccaaatg	cgccgc	237

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98 <211> LENGTH: 268

99 <212> TYPE: DNA

100 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: STOP-STEM Sequence

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108 ttggAACGGA	gagcatcgtc	tagaggatcc	gggtcgctcg	ctgcgtcgct	gcgaattcg	180
109 atatctgatc	ctctccgagc	caaccaggaa	accctttttt	tctgacgtaa	gggtgcgcag	240
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115 <212> TYPE: DNA

116 <213> ORGANISM: Artificial Sequence

118 <220> FEATURE:

119 <223> OTHER INFORMATION: 3'-recruitment Sequence

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124 cattaaggtc aacctctgga tgggtttcg gcatactgca ttgaatctga gttactgtct 180
125 gtttccttg ttggAACGGA gagcatcgCG gcccctgca g 221
128 <210> SEQ ID NO: 6
129 <211> LENGTH: 54
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Cloned NLS Sequence
136 <400> SEQUENCE: 6
137 ggatccaaaa aaatggctcc taagaagaag agaaaggttg gaggaggacc cggg 54

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/516,779

DATE: 12/17/2004

TIME: 14:52:06

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date